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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,778	02/28/2005	Bruno Bozinek	2002P10504WOUS	8327

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Siemens Corporation
Intellectual Property Department
170 Wood Avenue South
Iselin, NJ 08830

EXAMINER

KANGARLOO, RAMTIN

ART UNIT	PAPER NUMBER
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4177

MAIL DATE	DELIVERY MODE
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10/31/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/525,778

Applicant(s)

BOZIOONEK ET AL.

Examiner

Ramtin Kangarloo

Art Unit

4177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-32 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 13-32 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 February 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 2/28/2005.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 13-19, 21 and 23-32 are rejected under 35 U.S.C. 102 (b) as being anticipated by Mayeul (European Patent Application No EP0926909A2 as cited by applicant).

Regarding **Claim 13**, a method for forwarding a signaling message embodied accordance with a first signaling protocol from a first device within a first network to a second device within a second network, comprising: receiving the signaling message; connecting the first and second networks by a third network (See Fig 4, Users 10 and 30); providing a network access device in the third network (See Fig.4, User 40); transferring the signaling message from the first device to the network access device by tunneling the message through the third network (See Col.4, Lines35-38); determining if the first signal protocol and a second signaling protocol supported by the second device are the same protocol, the determination made by the network access device and based on a target datum identifying the second device (See Col.4, Lines40-49); if the

Art Unit: 4177

protocols are the same the method further comprising converting the signaling message into the second signaling protocol, transferring the converted signaling message to the second device by tunneling the message through the third network (See Col.5, Lines 17-22); and if the protocols are not the same the method further comprising transferring the signaling message to the second device by tunneling the message through the third network (See Col.5, Lines 17-22).

Regarding **Claim 14**, the method according to claim 13, wherein protocol conversion is handled by the network access device (See Col.4, Lines 33-55).

Regarding **Claim 15**, the method according to claim 13, wherein the network access device performs functions of a telecommunication device, which serves for a switching of a connection for a transfer of voice data in a private data transfer network (see Page. 13, Fig 5).

Regarding **Claim 16**, the method according to claim 13, wherein the network access device switches a connection that transfers voice data in a private data transfer network (see Page. 13, Fig 5).

Art Unit: 4177

Regarding **Claim 17**, the method according to claim 16, wherein a data transfer network functions according to the Internet protocol (See Col.1, Lines 36-43).

Regarding **Claim 18**, the method according to claim 13, wherein the network access device performs a network access function for a plurality of terminal devices of a local data network (See Col.1, Lines 32-34).

Regarding **Claim 19**, the method according to claim 13, wherein the network access device performs a network access function for a central device of a plurality of local data transfer networks, the central device perform services for a plurality of terminal devices of a data transfer network (See Col.3, Lines 55-58 and Col 4, Lines 1-2).

Regarding **Claim 21**, the method according to claim 13, further comprising: reading the target datum with an access function that reads target data of various signaling protocols; and determining the first signaling protocol of the received signaling message (See Col.5, Lines 11-22).

Art Unit: 4177

Regarding **Claim 23**, the method according to claim 13, further comprising:
storing the first protocol signal in a storage device; and deciding if a protocol conversion is required after the storage step (See Col.8, Lines 50-56).

Regarding **Claim 24**, the method according to claim 13, wherein the signaling message relates to a transfer of voice data and/or to the performance of additional service features for the transfer of voice data (See Col.7, Lines 44-49).

Regarding **Claim 25**, the method according to claim 24, wherein the transfer of voice data is in an operating data packet (See Col.11, Lines 49-51).

In addition using data packet in ISDN is inherent.

Regarding **Claim 26**, a program for determining if a signaling message embodied accordance with a first signaling protocol supported by a first device requires conversion to a second signaling protocol supported by a second device (See Fig.5), comprising: a receiver for receiving the signaling message; a target datum identifying the second device and thereby identifying the second signaling protocol; a comparator that compares the first signaling protocol of the signaling message with the second signaling protocol; and a converter that converts the signaling message into the second signaling

Art Unit: 4177

protocol if the comparator indicates the first and second signaling protocols are different (See Col.4, Lines 33-55).

Regarding **Claim 27**, the program according to claim 26, wherein the converter transfers the signaling message to a network access device to do the conversion (See Col.8, Lines 13-22).

Regarding **Claim 28**, the program according to claim 26, further comprising a storage interface that stores the signaling message (See Col.8, Lines 50-56).

Regarding **Claim 29**, the program according to claim 26, further comprising a transferring section that transfers the signaling message to the second device (See Page 14, Fig 6).

Regarding **Claim 30**, a network access device for forwarding a signaling message from a first device in a first device in a first network to a second device in a second network (See Fig 4, Users 10 and 30), comprising: a control device for evaluating the signaling message and determining the second terminal device; a compare device that compares a first signaling protocol of the signaling message

Art Unit: 4177

received from the first device and a second signaling protocol supported by the second device; and a transfer device that transfers the signaling message to the second device (See Col.4, Lines 33-55).

Regarding **Claim 31**, the network access device according to claim 30, further comprising an interface that accesses a storage device, the storage device comprising an association between a terminal device and a server as well as an association between a protocol and the server (See Col.8, Lines 47-58).

Regarding **Claim 32**, the network access device according to claim 30, further comprising a conversion device that converts the signaling message embodied according to the first signaling protocol to a second signaling message protocol (See Col.8, Lines 13-22).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 4177

4. Claims 20 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mayeul in view Xu (US Patent No 6738390).

Regarding Claim 20, Mayeul disclose all of the limitations as applied to claim 13.

Mayeul does not specifically disclose the first and second signaling protocols are selected from the group consisting of SIP, H.323, QSIG, SIP based, H.323 based, QSIG based, and combinations thereof. Xu teaches the first and second signaling protocols are selected from the group consisting of SIP, H.323, QSIG, SIP based, H.323 based, QSIG based, and combinations thereof (See Col.1, Lines 9-12 and Lines 66-67 and Col.2, Lines 1-15).

Thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made to mount SIP, H.323 taught by Xu onto the network system as shown in Mayeul, in order to protocol conversion so that the systems become well organized.

Regarding Claim 22, Mayeul and Xu disclose all of the limitations as applied to claim 20. Further, Mayeul disclose no protocol conversion is required if the first and second signaling protocols are in a same protocol family (See Col.5, Lines 20-22).

Art Unit: 4177

Conclusion

5. Any response to this Office Action should be **faxed to (571) 273-8300 or Mailed to :**

Commissioner for Patents,
P.O.Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramtin Kangarloo whose telephone number is (571) 270-3452. The examiner can normally be reached on Monday to Thursday 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Benny Tieu can be reached on (571) 272-7490. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 4177

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ramtin Kangarloo
Examiner Art Unit 4177
October 23, 2007


BENNY Q. TIEU
SPE/TRAINER